



Biology & Disease

The yellow fever disease, caused by the yellow fever virus, is an acute viral infection spread by female mosquitoes.

Symptoms of the disease include: fever, chills, loss of appetite, nausea and muscle pains, making it hard to distinguish from other viral infections. Usually, the body can overcome the infection within a few days. Yet, in 15% of the infections, the fever leads to abdominal pain, yellow skin caused by liver damage and a high risk of internal bleeding and kidney damage.

Yearly, 200,000 infections and 30,000 deaths are attributed to the virus, primarily in Africa.

Name:
Yellow fever

Family:
Filoviridae

Class:
Group IV (+)ssRNA
Enveloped

Genome:
~11,800 bases, ~10 proteins

Mode of transmission:
Zoonosis - mosquito transmission

